

What is claim d is:

1. A mobile terminal comprising:

a battery;

a power supply block which supplies power of  
5 said battery;

a radio communication block which  
communicates with a base station when said power is  
supplied from said battery through said power supply  
block;

10 a first switch which is interposed between  
said power supply block and said radio communication  
block;

a key operation section to which said power  
is always supplied from said battery through said  
15 power supply block; and

a control unit which controls said first  
switch to stop the power supply from said battery to  
said radio communication block in response to a manual  
operation of said key operation section.

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2. The mobile terminal according to claim 1,  
further comprising:

a base band block to which said power is  
always supplied from said battery through said power  
25 supply block and is possible to accomplish application  
functions other than a communication function using  
said radio communication block.

3. The mobile terminal according to claim 2,  
further comprising:

a second switch which is interposed between  
5 said base band block and said radio communication  
block,

wherein said control unit is contained in  
said base band block and controls said second switch  
to disconnect said base band block from said radio  
10 communication block.

4. The mobile terminal according to claim 1,  
further comprising:

a base band block which is connected with  
15 said first switch,

wherein the power supply to said base band  
block is stopped when said control unit controls said  
first switch to stop the power supply from said  
battery to said radio communication block in response  
20 to said manual operation of said key operation  
section.

5. The mobile terminal according to claim 4,  
further comprising:

25 an application function block to which said  
power is always supplied from said battery through  
said power supply block and is possible to accomplish

application functions.

6. The mobile terminal according to claim 5,  
further comprising:

5 a second switch which is interposed between  
said application function block and said base band  
block,

wherein said control unit is contained in  
said application function block and controls said  
10 second switch to disconnect said base band block from  
said application function block.

7. The mobile terminal according to claim 1,  
wherein said control unit controls said first switch  
15 to be turned on in response to a manual operation of a  
key of said key operation section.

8. The mobile terminal according to claim 1,  
wherein said control unit comprises a timer to which a  
20 predetermined time is set, and

when said timer measures the predetermined  
time, said control unit controls said first switch to  
be turned on.

25 9. A power saving method in a mobile terminal  
comprising:

supplying power of a battery to a radio

communication block through a first switch and  
directly to a key operation section, said radio  
communication block communicating with a base station;  
and

5               controlling said first switch to stop the  
power supply from said battery to said radio  
communication block in response to a manual operation  
of a key of said key operation section, such that the  
communication with the base station by said radio  
10 communication block is stopped.

10.           The method according to claim 9, further  
comprising:

                  carrying out a base band process by a base  
15 band block to communicate with said base station  
through said radio communication block, when the power  
is supplied from said battery to said radio  
communication block, wherein said base band block is  
possible to accomplish application functions; and  
20               disconnecting said base band block from said  
radio communication block in response to said manual  
operation of the key of said key operation section.

11.           The method according to claim 9, wherein said  
25 supplying step further comprises:

                  supplying the power of said battery to a base  
band block in addition to said radio communication

block, and

said controlling step further comprises:

controlling said first switch to stop the  
power supply from said battery to said base band block  
5 in addition to said radio communication block in  
response to said manual operation of said key  
operation section.

12. The method according to claim 11, further  
10 comprising:

carrying out a base band process by said base  
band block to communicate with said base station  
through said radio communication block, when the power  
is supplied from said battery to said radio  
15 communication block; and

carrying out application functions by an  
application function block; and

disconnecting said application function block  
from said base band block in response to said manual  
20 operation of the key of said key operation section.

13. The method according to claim 9, further  
comprising:

controlling said first switch to be turned on  
25 in response to a manual operation of a key of said key  
operation section.

14.       The mobile terminal according to claim 9,  
further comprising:

          controlling said first switch to be turned  
on, when a timer measures a predetermined time after  
5 the power supply to said radio communication block is  
stopped.